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1903 Heparin: does it act as an antioxidant *in vivo*? Vol. 44 (1992) 188–191. *Domenico Lapenna, Andrea Mezzetti, Sergio de Gioia, Giuliano Ciofani, Leonardo Marzio, Carmine Di Ilio and Franco Cuccurullo*

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MARK A. METCALF, ROBERT W. MCGUFFIN and MARK W. HAMBLIN 1917 Conversion of the human 5-$HT_{1D\beta}$ serotonin receptor to the rat 5-HT_{1B} ligand-binding phenotype by Thr^{355} Asn site directed mutagenesis

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Wei-Xi A. Guo, Lawrence L. Poulsen and Daniel M. Ziegler 2029 Use of thiocarbamides as selective substrate probes for isoforms of flavin-containing monooxygenases

Anil S. Sipahimalani, John L. Werth, Robert H. Michelson, Aloke K. Dutta, S. Mbua N. Efange and Stanley A. Thayer 2039 Lipophilic amino alcohols with calcium channel blocking activity

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Short Communications

Ru Feng Wu, Shigetoshi Miura and Yoshiyuki Ichikawa 2079 Neurotoxins: 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine, 1,2,3,4-tetrahydroisoquinoline and 1-methyl-6,7-dihydroxy-tetrahydroisoquinoline as substrates for FAD-containing monooxygenase of porcine liver microsomes

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Dennis A. Smith and Barry C. Jones 2089 Speculations on the substrate structure–activity relationship (SSAR) of cytochrome P450 enzymes

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J. Michael Edwardson and Philip M. Dean 2111 Inhibition of alloxan-induced hyperglycaemia by compounds of similar molecular structure

Hans-Georg Eichler, Keith A. Menear, Karen E. Dunnet, John G. Hastewell and Peter W. Taylor 2117 Studies on the uptake of low molecular weight monomeric tris-galactosyl conjugates by the rat liver

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Kay W. Colston, Alan G. Mackay, Sharon Y. James, Lise Binderup, Surinder Chander and R. Charles Coombes — 2273 — EB1089: a new vitamin D analogue that inhibits the growth of breast cancer cells *in vivo* and *in vitro*

Ryozo Ishida, Kazuyoshi Suzuki, Yasuhiro Masubuchi, Shizuo Narimatsu, Shoichi Fujita and Tokuji Suzuki — 2281 — Enzymatic basis for the non-linearity of hepatic elimination of propranolol in the isolated perfused rat liver

Gillian M. Anlezark, Roger G. Melton, Roger F. Sherwood, Brian Coles, Frank Friedlos and Richard J. Knox — 2289 — The bioactivation of 5-(aziridin-1-yl)-2,4-dinitrobenzamide (CB1954)—I. Purification and properties of a nitroreductase enzyme from *Escherichia coli*—a potential enzyme for antibody-directed enzyme prodrug therapy (ADEPT)

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Brendan J. Connolly, P. Barnaby Willits, Brian H. Warrington and Kenneth J. Murray — 2303 — 8-(4-Chlorophenyl)thio-cyclic AMP is a potent inhibitor of the cyclic GMP-specific phosphodiesterase (PDE V_A)

Munir Pirmohamed, Neil R. Kitteringham, Alasdair M. Breckenridge and B. Kevin Park — 2307 — The effect of enzyme induction on the cytochrome P450-mediated bioactivation of carbamazepine by mouse liver microsomes

Manabu Negishi and Seiji Ito — 2315 — Prostaglandin E_2-induced arachidonic acid release and catecholamine secretion from cultured bovine adrenal chromaffin cells

Herman Steen, Marjolijn Merema and Dirk K. F. Meijer — 2323 — A multispecific uptake system for taurocholate, cardiac glycosides and cationic drugs in the liver

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